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Claims 1-19 has been cancelled

20. (previously presented): A method for determining suitability of transparent molded polymer articles to produce colored transparent molded articles comprising:

- a) obtaining a set of transparent molded polymer articles, each comprising at least a first principal surface;
- b) placing the first principal surface of each of the articles of the set in contact with a solution comprising a fluorescent material, for a sufficient time to allow penetration of the fluorescent material under the first principal surfaces of the articles;
- c) irradiating the articles to activate fluorescence of the fluorescent material; and
- d) selecting the articles in the set into a first subset composed of any articles that show a homogeneous fluorescence of the principal surface under irradiation and a second subset composed of any articles that show a non-homogeneous fluorescence of the principal surface under irradiation.

21. (previously presented): The method of claim 20, further comprising treating selected articles to deactivate fluorescence.

22. (previously presented): The method of claim 21, wherein treating consists of irradiating the selected articles with UV-C radiation.

23. (previously presented): The method of claim 21, wherein treating consists of dipping the selected articles in a bath of a chemical agent which deactivates fluorescence.

24. (previously presented): The method of claim 23, wherein the chemical deactivation agent is further defined as a benzene alkylsulfonate.

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25. (previously presented): The method of claim 20, wherein the fluorescent material penetrates under the first principal surface of the articles to a depth of 0.1 to 5  $\mu\text{m}$ .
26. (previously presented): The method of claim 25, wherein the fluorescent material penetrates under the first principal surface of the articles to a depth of 0.5 to 1.5  $\mu\text{m}$ .
27. (previously presented): The method of claim 20, wherein irradiating comprises irradiation with UV radiation.
28. (previously presented): The method of claim 20, wherein the solution comprising fluorescent material is an aqueous solution at a concentration of 10 to 100 ppm.
29. (previously presented): The method of claim 28, wherein the solution comprising fluorescent material is an aqueous solution at a concentration of around 20 ppm.
30. (previously presented): The method of claim 20, wherein the solution comprising fluorescent material is at a temperature higher than the glass transition temperature of the polymer material of the articles.
31. (previously presented): The method of claim 30, wherein the temperature of the solution of the fluorescent material is from 85 to 98°C.
32. (previously presented): The method of claim 20, wherein the articles are further defined as comprised of a polymer material that has a polymerization shrinkage of at least 7%.
33. (previously presented): The method of claim 32, wherein the articles are further defined as comprised of a polymer material that has a polymerization shrinkage of at least 10%.
34. (previously presented): The method of claim 32, wherein the polymer material of the articles is obtained by polymerization of a polymerizable liquid composition comprising a diethylene glycol diallyl carbonate monomer.

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35. (previously presented): The method of claim 20, wherein the molded articles are further defined as having a positive optical strength.

36. (previously presented): The method of claim 20, wherein the fluorescent material is selected from the derivatives of hydrazines and aliphatic amines.

37. (previously presented): The method of claim 20, wherein the molded articles are further defined as ophthalmic lenses.

38. (previously presented): A method for producing colored ophthalmic lenses from polymer material comprising:

- a) obtaining a set of ophthalmic lenses made of substantially colorless polymer material, each comprising at least a first principal surface;
- b) placing the first principal surface of each of the ophthalmic lenses of the set in contact with a solution comprising a fluorescent material, for a sufficient time to allow penetration of the fluorescent material under the first principal surfaces of the ophthalmic lenses;
- c) irradiating the ophthalmic lenses to activate fluorescence of the fluorescent material;
- d) selecting the ophthalmic lenses in the set into a first subset composed of any ophthalmic lenses that show a homogeneous fluorescence of the principal surface under irradiation and a second subset composed of any ophthalmic lenses that show a non-homogeneous fluorescence of the principal surface under irradiation; and
- e) subjecting the ophthalmic lenses of the first subset to a coloring treatment.

39. (previously presented): The method of claim 38, further comprising, after selecting the ophthalmic lenses and before the coloring treatment, treating selected articles to deactivate fluorescence.

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Claims 40-41 (cancelled).